

	Component Loadings (No Rotation)					Rotated Loading Matrix (VARIMA X)		
Variable	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3
AL_T	0.761149	-0.32308	0.330116	0.05193	-0.07928	0.517778	-0.23804	0.597985
ALKALINI								
TY	-0.27814	0.658264	0.031805	0.383487	0.222685	-0.23138	0.662185	-0.32618
AS_T	0.687079	-0.06283	0.26587	0.05034	0.06957	0.485981	0.022594	0.498542
BA_T	0.439817	0.10616	0.402114	0.378923	-0.41674	0.216369	0.134817	0.27193
CA_T	-0.28909	0.605724	0.197067	0.48786	-0.10006	-0.31745	0.593316	-0.28052
CL	0.034075	0.803829	-0.12258	-0.25159	-0.1605	0.074602	0.755851	-0.10504
COLIFOR								
MS	0.817026	-0.07102	-0.31634	0.239521	-0.08389	0.880654	-0.07058	0.007705
CU_T	0.416346	-0.09171	0.653666	-0.39346	0.135569	0.041606	0.03424	0.882237
ECOLI	0.858848	-0.0778	-0.25925	0.189439	-0.0465	0.888606	-0.06308	0.096827
ENTERO	0.839151	-0.06994	-0.27154	0.186082	-0.01211	0.87734	-0.05405	0.083363
FE_T	0.769639	-0.31272	0.36924	0.089052	-0.04738	0.509697	-0.21834	0.618336
FECAL	0.843107	-0.04336	-0.31592	0.215542	-0.04047	0.902923	-0.03671	0.031032
K_T	0.810243	0.374011	-0.04049	-0.08054	0.01634	0.731573	0.412663	0.303839
MG_T	0.423868	0.574463	0.286685	0.085227	0.161598	0.250788	0.646696	0.306734
MN_T	0.652043	-0.10164	0.262336	0.262181	0.099939	0.469111	-0.01364	0.399031
N_NO2_N								
O3	0.035113	0.160208	-0.04022	-0.26544	-0.88277	0.021666	0.048164	-0.03283

NA_T	-0.07205	0.798233	-0.08113	-0.35147	0.11234	-0.0399	0.78141	-0.04208
P_SOL_R								
EAC	0.806995	0.15384	-0.35187	-0.19254	-0.01505	0.865884	0.151604	0.137859
P_T_4500	0.856352	0.091175	-0.25691	-0.14671	0.025161	0.868068	0.110281	0.226538
P_TD_45								
00	0.848388	0.144463	-0.34577	-0.21114	0.000364	0.898694	0.147434	0.171691
SO4	0.253604	0.643945	0.008915	0.057232	0.146344	0.228622	0.666785	0.019269
TDS	0.24999	0.59566	0.417083	0.058104	-0.14421	0.030312	0.637436	0.302914
TKN	0.532785	-0.00356	0.089443	-0.265	0.162747	0.415807	0.058499	0.433962
TOC	0.901245	0.037926	-0.06531	-0.05579	0.178451	0.825622	0.104107	0.380925
ZN_T	0.469578	-0.05434	0.672935	-0.25716	0.002056	0.085526	0.061317	0.840093

Rotated Loading Matrix (EQUAMA X)					Rotated Loading Matrix (QUARTI MAX)				
Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 2
0.345449	0.003061	0.607253	-0.18233	0.551816	0.307049	0.030121	0.655053	-0.26399	
0.173693	0.282391	-0.03804	0.694086	-0.36474	-0.21835	0.21076	-0.25943	0.6576	
0.241568	0.102466	0.454492	0.068476	0.475382	0.321909	0.114984	0.598441	-0.00019	
0.706423	-0.21375	0.743402	0.212053	0.151816	-0.00997	-0.2508	0.335658	0.109829	
0.450961	0.049712	0.202838	0.643983	-0.37688	-0.37163	-0.03638	-0.3101	0.584355	
-0.20087	-0.35089	-0.28883	0.695292	-0.03277	0.186566	-0.38555	0.035094	0.77126	
0.237603	0.003064	0.49684	-0.03154	0.028396	0.766234	0.035938	0.883793	-0.08216	
-0.02853	0.012757	0.128998	0.03734	0.870967	-0.07079	0.024347	0.211436	0.015866	
0.213372	0.02073	0.491154	-0.02527	0.120536	0.76773	0.055884	0.906899	-0.07621	
0.188638	0.048901	0.462253	-0.01762	0.110826	0.764349	0.08409	0.891255	-0.066667	
0.380175	0.04814	0.63939	-0.15494	0.563465	0.285022	0.071379	0.65568	-0.24682	
0.205386	0.02915	0.474	8.23E-05	0.059288	0.792759	0.062886	0.907558	-0.04845	
0.043428	-0.07125	0.256905	0.416459	0.355909	0.659349	-0.06262	0.781212	0.402842	
0.183993	0.127231	0.219486	0.676775	0.292971	0.159895	0.087408	0.333415	0.629685	
0.393692	0.220378	0.58254	0.060229	0.343145	0.268941	0.22356	0.579528	-0.04173	
0.117546	-0.92767	0.075209	-0.00634	-0.02862	0.04864	-0.9324	0.013286	0.065396	

-0.3891	-0.14049	-0.48453	0.711435	0.051883	0.110096	-0.17141	-0.08011	0.797383
-0.1583	-0.13862	0.113347	0.127324	0.240456	0.860267	-0.09529	0.854568	0.153028
-0.08839	-0.07055	0.201141	0.10115	0.310891	0.825648	-0.02788	0.881868	0.106083
-0.16951	-0.13103	0.11922	0.122819	0.278005	0.889377	-0.08481	0.892104	0.148197
0.022826	0.077384	0.010993	0.670059	0.043865	0.225788	0.041798	0.238203	0.662291
0.304938	-0.15313	0.257197	0.660464	0.255161	-0.06614	-0.20879	0.125844	0.623724
-0.14896	0.041885	0.053077	0.048119	0.485947	0.377039	0.071758	0.476521	0.051325
0.012312	0.123122	0.314505	0.123119	0.433418	0.725085	0.15885	0.884073	0.089271
0.149736	-0.05642	0.295337	0.082026	0.800501	-0.06789	-0.05543	0.263665	0.039386

Rotated  
 Pattern  
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Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
0.483198	0.263388	-0.00711	0.4063	-0.27478	0.511762	0.286213	0.014623

-0.26263	0.231262	0.293488	-0.17608	0.688518	-0.31232	0.179901	0.279453
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0.393977	0.176188	0.098462	0.392158	0.002872	0.424988	0.179136	0.113837
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0.240703	0.67267	-0.22025	0.162604	0.069419	0.196061	0.712302	-0.21136
-0.19373	0.508753	0.057751	-0.27616	0.583714	-0.27071	0.48921	0.044146

-0.09918	-0.1838	-0.3342	0.092191	0.734947	-0.08354	-0.15738	-0.35423
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-0.16543	0.146837	-0.01696	0.935124	-0.09417	-0.17467	0.175198	0.006936
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0.855932	-0.06292	0.026201	-0.17604	0.018233	0.944255	-0.0659	0.028026
-0.08025	0.119215	0.002372	0.921143	-0.0857	-0.07819	0.144958	0.026373

-0.09191	0.096846	0.031065	0.912228	-0.07235	-0.08862	0.118288	0.05461
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0.504847	0.299125	0.038327	0.392337	-0.25306	0.531736	0.316302	0.060433
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-0.14729	0.113154	0.010254	0.952206	-0.05697	-0.15028	0.137683	0.033901
0.162416	-0.02786	-0.071	0.694218	0.388069	0.201714	-0.00785	-0.06271

0.264111	0.168867	0.138915	0.179018	0.638999	0.281956	0.148949	0.135644
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0.299305	0.332902	0.212218	0.39991	-0.02822	0.304471	0.324191	0.230857
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-0.01687	0.106271	-0.92856	0.032716	-0.04336	-0.03371	0.221395	-0.93767
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-0.02092	-0.35853	-0.11783	-0.04658	0.790024	0.019198	-0.36449	-0.1408
-0.03399	-0.24462	-0.14602	0.882119	0.133227	0.011668	-0.21018	-0.13298
0.05144	-0.17901	-0.07859	0.863193	0.09267	0.09815	-0.15107	-0.06292
-0.00776	-0.26025	-0.13844	0.908555	0.129237	0.042884	-0.226	-0.12458
-0.01421	0.021222	0.08792	0.226202	0.669169	-0.0072	0.004375	0.080678
0.310959	0.307315	-0.13939	-0.05293	0.600349	0.311147	0.317893	-0.14893
0.340545	-0.20232	0.044403	0.331876	0.055981	0.405502	-0.20048	0.051984
0.209002	-0.07815	0.116447	0.77976	0.096446	0.259445	-0.07365	0.134921
0.810436	0.111461	-0.04621	-0.11863	0.029816	0.876645	0.120384	-0.04262

Number of Variables						Coefficients (No Rotation)	
	Variable	Factor 1					
25	AL_T	0.077603					
Component Loadings (No Rotation)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	9.808301	3.659821	2.410042	1.460035	1.231445	ALKALINI	
Percent of Total Variance Explained	39.23321	14.63928	9.640167	5.84014	4.92578	TY AS_T	
						0.070051	
Rotated Loadings (VARIMA X)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	8.168865	3.626694	3.633818	1.831531	1.308735	CL COLIFOR	
Percent of Total Variance Explained	32.67546	14.50677	14.53527	7.326126	5.234942	MS CU_T	
						0.083299 0.042448	
Rotated Loadings (EQUAMA X)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	3.622568	3.582337	3.634242	6.381807	1.348689	ECOLI ENTERO	
Percent of Total Variance Explained	14.49027	14.32935	14.53697	25.52723	5.394756	0.078468	
						0.085555	
Rotated Loadings (QUARTI MAX)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	9.279248	3.628097	2.718078	1.644315	1.299907	FECAL K_T	
Percent of Total Variance Explained	37.11699	14.51239	10.87231	6.577259	5.199626	0.085958	
						0.082608	
N_NO2_N	O3	0.00358					



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(VARIMA  
X)

Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
-0.08828	0.136975	0.035567	-0.06438	0.005161	-0.07183	0.128487	0.125137	-0.02514
0.179862	0.013197	0.262656	0.180833	-0.01237	0.199303	-0.11796	0.137751	0.249507
-0.01717	0.110318	0.034479	0.056494	0.013125	0.008512	0.109918	0.06331	0.073602
0.029007	0.166849	0.25953	-0.33842	-0.0285	0.013577	-0.00887	0.416937	-0.19406
0.165507	0.081769	0.334143	-0.08126	-0.0454	0.163103	-0.12637	0.326048	0.047557
0.219636	-0.05086	-0.17232	-0.13033	0.016057	0.193215	-0.01082	-0.11264	-0.21708
-0.0194	-0.13126	0.164052	-0.06812	0.142979	-0.03851	-0.14091	0.11964	-0.00189
-0.02506	0.271226	-0.26948	0.11009	-0.10291	0.02511	0.35986	-0.14109	0.01042
-0.02126	-0.10757	0.129749	-0.03776	0.134188	-0.03353	-0.10212	0.090622	0.013375
-0.01911	-0.11267	0.12745	-0.00983	0.135109	-0.02888	-0.10282	0.075369	0.037134
-0.08545	0.153209	0.060993	-0.03847	0.000226	-0.06371	0.133244	0.142241	0.009278
-0.01185	-0.13109	0.147628	-0.03286	0.144892	-0.02677	-0.12933	0.092995	0.022432
0.102194	-0.0168	-0.05516	0.013269	0.078329	0.104567	0.033714	-0.04445	-0.02423
0.156965	0.118955	0.058373	0.131226	-0.01113	0.188098	0.079253	0.048705	0.130864
-0.02777	0.108851	0.179572	0.081156	0.019296	0.001204	0.049569	0.16956	0.155853
0.043775	-0.01669	-0.1818	-0.71686	-0.01039	-0.045	-0.02744	0.126689	-0.72815

0.218107	-0.03366	-0.24073	0.091226	-0.002	0.21939	0.054442	-0.24915	-0.04307
0.042035	-0.146	-0.13187	-0.01222	0.133195	0.025354	-0.02769	-0.1481	-0.07942
0.024912	-0.1066	-0.10048	0.020432	0.121472	0.017952	-0.00219	-0.1182	-0.03267
0.039473	-0.14347	-0.14461	0.000295	0.13519	0.024857	-0.01655	-0.16144	-0.07283
0.17595	0.003699	0.039199	0.118839	0.02612	0.189219	-0.01303	-0.01255	0.102404
0.162757	0.17306	0.039796	-0.11711	-0.05691	0.170097	0.089941	0.149869	-0.09831
-0.00097	0.037113	-0.1815	0.13216	0.022279	0.022132	0.146277	-0.17333	0.048079
0.010363	-0.0271	-0.03821	0.144912	0.093853	0.029302	0.051649	-0.08301	0.111889
-0.01485	0.279221	-0.17614	0.001669	-0.09814	0.023974	0.313625	-0.01949	-0.05057

Coefficients  
 (EQUAMA  
 X)

Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4
0.147632	-0.05587	0.10046	-0.04799	-0.02597	0.041939	-0.07802	0.125748	0.116705

Coefficients  
 (QUARTI  
 MAX)

0.087128	0.232518	-0.14567	-0.0421	0.224434	-0.0148	0.191705	-0.1115	0.151588
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0.082336	0.022897	0.094208	-0.02392	0.070719	0.042138	0.002432	0.104859	0.05883
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0.369716	0.052415	-0.08768	-0.12956	-0.2206	0.010753	0.004665	0.007128	0.415629
0.249096	0.205623	-0.18907	-0.11383	0.01295	-0.03271	0.154226	-0.10736	0.338749

-0.13303	0.160431	0.022395	0.067172	-0.22152	0.000914	0.20162	-0.00767	-0.1097
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0.135711	-0.02254	-0.15069	0.12027	-0.00126	0.123589	-0.0399	-0.16538	0.108641
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-0.10513	0.008953	0.371419	-0.10668	0.016414	-0.04379	0.022185	0.371127	-0.14209
0.112388	-0.02004	-0.10808	0.114028	0.015367	0.119929	-0.03511	-0.12626	0.079613

0.098523	-0.01564	-0.1062	0.117979	0.039642	0.119532	-0.03049	-0.12769	0.064816
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0.162879	-0.04309	0.100631	-0.05981	0.006499	0.04045	-0.0713	0.131188	0.134687
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0.112715	-0.01247	-0.13437	0.126875	0.023976	0.125487	-0.02811	-0.15502	0.082212
-0.02614	0.096741	0.050582	0.087047	-0.02431	0.079277	0.105385	0.019317	-0.05013

0.035284	0.202448	0.067408	-0.03613	0.114908	0.013986	0.181803	0.082001	0.05411
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0.176416	0.035141	0.012568	-0.0445	0.146205	0.048442	-0.00886	0.044496	0.166748
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0.093026	-0.08266	-0.0347	9.41E-05	-0.72969	-0.01404	-0.03235	-0.01057	0.117802
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-0.25239	0.181959	0.107632	0.069743	-0.04207	-0.01501	0.227031	0.05513	-0.24305
-0.10782	0.000995	0.015124	0.176702	-0.06568	0.108213	0.0319	-0.05391	-0.1595
-0.07691	0.001083	0.031867	0.15086	-0.02075	0.105501	0.022012	-0.02715	-0.12922
-0.1175	-0.00063	0.028602	0.180392	-0.05806	0.11106	0.031444	-0.04374	-0.17329
-0.02682	0.19324	-0.00699	0.030316	0.090945	0.025438	0.187342	-0.0162	-0.00743
0.112424	0.18031	0.059881	-0.09616	-0.12001	-0.0218	0.16557	0.106913	0.155483
-0.13136	0.004282	0.177949	0.047445	0.059565	0.033533	0.023445	0.135784	-0.17846
-0.04049	0.027734	0.071868	0.099522	0.119442	0.095116	0.027991	0.029223	-0.09136
-0.00012	0.018693	0.304251	-0.12609	-0.05182	-0.03659	0.019427	0.327826	-0.02081

Coefficien  
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(OBBLIMIN  
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Factor 5 Factor 1 Factor 2 Factor 3 Factor 4 Factor 5  
-0.02663 0.035189 -0.07593 0.130803 0.131628 -0.00137

0.250273 -0.01973 0.199939 -0.10944 0.137619 0.241989

0.074259 0.036107 0.00541 0.111953 0.073076 0.082229

-0.19909 0.003574 0.009282 0.009495 0.414167 -0.14747  
0.045481 -0.03869 0.161844 -0.11321 0.321606 0.065594

-0.2116 0.011062 0.195059 -0.00352 -0.1022 -0.24396

-0.00896 0.124497 -0.03499 -0.09936 0.107398 0.011761

0.020027 -0.0496 0.017338 0.319694 -0.11004 0.001678  
0.007535 0.120314 -0.0307 -0.06525 0.081967 0.024234

0.031567 0.119871 -0.0259 -0.06677 0.067009 0.045652

0.007863 0.032356 -0.06821 0.134787 0.149409 0.033995

0.016114 0.126417 -0.02325 -0.0891 0.082561 0.032216  
-0.02217 0.081703 0.105153 0.051648 -0.03426 -0.03636

0.135585 0.009221 0.185425 0.079776 0.065285 0.121028

0.153824 0.039056 -0.00171 0.058423 0.173332 0.174431

-0.73069 -0.00088 -0.04484 -0.01137 0.120905 -0.70368

-0.03394 -0.00651 0.22077 0.046658 -0.23128 -0.08742

-0.07948 0.116047 0.029143 -0.00191 -0.14596 -0.09705

-0.03275 0.110648 0.020657 0.020685 -0.11464 -0.04622

-0.07259 0.118851 0.028551 0.008566 -0.15827 -0.09165  
0.106011 0.025628 0.189728 -0.00397 -0.00281 0.083706

-0.0943 -0.02497 0.165912 0.088256 0.164994 -0.09308

0.05272 0.034002 0.02086 0.13832 -0.15831 0.030637

0.112752 0.09455 0.029912 0.066298 -0.07488 0.10109

-0.04341 -0.04325 0.016086 0.282965 0.006969 -0.04635